

SEQUENCE LISTING

<110> Sun, Yongming
 Recipon, Herve
 Chen, Sei-Yu
 Liu, Chenghua

<120> Compositions and Methods Relating to Prostate Specific
 Genes and Proteins

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<150> 60/244,782

<151> 2000-11-01

<160> 240

<170> PatentIn Ver. 2.1

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<212> DNA
<213> Homo sapiens

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 <213> Homo sapiens

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 <213> Homo sapiens

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<212> DNA

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cctgggaggc cacacttagt tctttattgt gaatctctcg ctactcaagt tcgttcggga 420
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gctggcctag aggatagtga tcagacaacc cgaggattac taaacaaggg gcggcgggtg 540
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gatgcaaaga gtgagaaaaga aagcgcagca tctggcagcc tgcttataaa tgcagccttt 660
cggaagatga aacttgacgt cttaggttgt cctcctttat atccatgttc caatcctctg 720
ggctttcctc gaaatgaata aaattgtgga aatg 754

<210> 44

<211> 955

<212> DNA

<213> Homo sapiens

<400> 44

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gtccttctgg ggctcagaag ctgtgtttgt tatgttcttt ccaagaatcc cacctgtctg 240
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gctaaacaaa gagaccccaa ccgtcccctt ggccccctgc cccgccgttt tgcagtttgc 360
caaccttcta gctagacagc cccctaagtc tccgtgttgc gaggtaaaaga gaatttttct 420
atttcactct cccattgacc gaagcagaaa aattgaaccg aatctacgcc ccttgttctg 480
attcctgcta gaggaaaaca gaaaatcatc ccgcaggctc ctttcagtcc ctggatggcg 540
agcgcagccc ctgggaggcc acacttagtt ctttattgtg aatctctcgc tactcaagtt 600
cgttcgggac cagggcctcg gatggcctcg gttgcccgtg agtacgcgaa agaagaggtg 660
aatccaatcg ctggcctaga ggatagtgat cagacaaccc gaggattact aaacaagggg 720
cggcgggtgt cctgtctcat ggggttggcg tggggcgggg ggtaggcagc aagatcctcc 780
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<210> 45
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 45
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 atcttgtcat ataattttta aacagctggg atttagattg atactgcatt gaatttacct 120
 atttatttgg gggagaatta tgccaaatga caatattgtg tcttgccatc taggaatatg 180
 agattttccc atttttttcc agtctttttt atcaccttta gaaaagctat attgttttct 240
 ttatatacca cttgcacgtt attagttggg ttaattccaa gatgcatcaa tattatagct 300
 tttatgaatg gaatattttt cattgtattt tctaattgtt tgctggacta tatggaaatt 360
 gatttttggc atgctgatat atccagcaaa aaactttact gaactctaatt gttttgtttc 420
 tgagagggtt ctgatggtct gtttcttgca gggatgtctg aatcttccaa gtaaaaatgn 480
 gtagactcct attttcctta gac 503

<210> 46
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 46
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 ttttggtccc cttcccttta ttttaactca taactgatac ttaaagggtgc tctgccttat 120
 taaatcagct cctaggctgc aagtgcataa tatttaaaaa tttgcaactt tgacttttta 180
 aaaatctggt cttggtatgg agcaac 206

<210> 47
 <211> 394
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (93)..(119)
 <223> a, c, g or t

<400> 47
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 cagatgactg acaactgtta acttctcact atgtgccagg gactattgtg agttaactca 180
 cttaatcctc atagccaccc tttgaggtac ctataattat tctatagatg aagaagcaca 240
 gacagagagg ttaattaaga gcaagtgttg gagttgaact cctgatattt ccccctttta 300
 gctgaagtcc atgacctgct tcccaattcc tggcagccac acagttgctc tgcnattttt 360
 cagtcttcta actttcaaca tagttacttt ttac 394

<210> 48
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 48
 gtcacataac atttccggtg gccattaggg tgagctttaa gatctaactg gccaaagggg 60
 cttaagtaca atctttgatc agtaagtggc ttatgcctac ccagagacag cccctcagta 120
 gccaggctgt gaaag 135

<210> 49
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 49
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 gtactctgat ccaggagcac ctccctaggta gtcaggcttt aaaataaaaat cacactcatc 120
 cctgacagtc tggcagaata tgtgcatgcc caagggttata ccctctctgg actgagtgca 180
 gtatgaagat ccaactatta gtcctggctg aatgggaagc caaaatataa actccttcag 240
 ctttgatagc aatctgcaag tcacataaca tttccggtgg ccattagggt gagctttaag 300
 atctaactgg ccaagggggc ttaagtacaa tctttgatca gtaagtggct tatgcctacc 360
 cagagacagc ccctcagtag ccaggctgtg aaag 394

<210> 50
 <211> 730
 <212> DNA
 <213> Homo sapiens

<400> 50
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 acaggaacag tgcctatggg ttttaattagt gcttagttgt tttgttttgc tccttcattt 120
 ttggctgaga aattaatgat atttggaat atctggagtt cctttttctt gaaaagggtca 180
 caaaccactg atttaaagag gatgactttg aaaatttagc tcacaatagt tgtgaaataa 240
 atgtagtagt actttgtagc ttaaattccg gtaaaattat cactttgtca ttttgatctc 300
 agaggagagc tattatttgt agcaaactac aaatataaac taacgtggaa ttcctgtgga 360
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 ataagccatc tactctgaag tacagaggca gccatctatc attgacttat aaagctttga 480
 cccagtgag agtgtgtgta agaaggaata ccttgaacac ttcagagtga agtcacccag 540
 cttagctgag tggggggccac catgccttgc tcaaagcagg ttctccagtc agcaaacatc 600
 agtcaaggca gaatctatag gcagtgccta ggaacacaga cgcatttcag atggtgagga 660
 aaaagcaagt gaagcacaca atttgaatct tggaaatata ctttgaatcc atgggggtta 720
 gaagacacag 730

<210> 51
 <211> 953
 <212> DNA
 <213> Homo sapiens

<400> 51
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 tccagtcttc tagggcagca aaacaaccta aatttttctaa gaggccaccc agctgagggg 120
 gcccccgagg agggctgagg cgtcaggggtg acggctccac tgcccactca cctgcgacct 180
 caaagcccct ctccctccttg ggggtgctcct gacagccacc tccagggcag gcgagtggcg 240
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 ggcgccaac tggagtgaac gcccgaccac cgtgtctcac agggaaactg acaccagatg 360
 cgaacttcca aatggatccc tccctgcaag tgtggagctg gcgctaccag gcactgctct 420
 ggccatgcgt ctaagacaca ggcagagggc gctgcccacc acgctggcga cggcctcaaa 480
 gcccctgttc atgcctggga cagcgcccaa ggaccttget catgcctggg acaggcccca 540
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 gtgggcccga gctgggagaa caaggcctat tattggacac ctggtggcca tggcaaccac 660
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 tgagtcacag tgactatata actcttactc ccacttttgg gacacttttt gagagggaac 780
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 ctcccaacct accacagcca gatgtttttg taaagaacaa taaaaacgat tga 953

<210> 52
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (224)..(365)
 <223> a, c, g or t

<400> 52
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 atggccagtt taaggccgta atgtctaaat gggcaactat gctaacaata aaaaaagaac 180
 attgaggtct attaatactg ttcacaaata tgggtgggttg tttnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnntcacc aattttacttt aacaatgcag agagaaagat ccattaacgt aagtgttttg 420
 atgagttgaa catgtgaaat atagattatt aaagtattga atgcatttta gatgtgggtt 480
 atatattgggt tgtacttcat gaatattaag tctcccacag caaactg 527

<210> 53
 <211> 406

<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (308)
<223> a, c, g or t

<400> 53
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ggtgagaaac agcaggatc caatattctg aaggatggca ttctgggggt gcctagggtta 120
ctcagcagga tgcattatca cattatgcct catattcttt tggagtaagt aaaaatgggc 180
aagatgtgag acatggaagt taagccttct gataagaaac ttgcatcatc atcactataa 240
tcaagaatgt gaaaagattt atttacacat cactttttta ttcatttatc cagtaatgtt 300
agatgtgncc tgtctatgga actgtactag atgttgaagg aggtgtacct agaaatattc 360
agtctgggtg aaaatatagg agatatacaa atgggcaggg tgttgt 406

<210> 54
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (293)
<223> a, c, g or t

<220>
<221> unsure
<222> (304)
<223> a, c, g or t

<220>
<221> unsure
<222> (367)
<223> a, c, g or t

<400> 54
gttctttaac acatttgtat tatctttcag ttaaaagtat gtctttatgc ctacatattt 60
caaagtaata tgagagagaa cattaaactg tgttgtattg tgataaaatt cttggaatct 120
taaaccatcat aatacctcag gttatttggg cactgctctt gctagcaagg ctaagtagtt 180
tcagtccttt agagctttat atttaattgga aggttaaaaa caaaaacggg atgggaagga 240
acgtatcgcc taatacataa ttcttgatcat tagatgattt ttcctgtaaa ggngctaata 300
aggnatattc ctcggaattt attgtacatt atggattttg atatatactt agtaaagggt 360
aagtaangga ct 372

<210> 55
 <211> 537
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (214)..(326)
 <223> a, c, g or t

<400> 55
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 aatagcaaga gatctttgtt gaggtaaaaa ataaattgct gattgatcat taaatataac 120
 actatgtttt taagaagcct cagaaaacag taatatatga tcctataggc ataaaattat 180
 ttatgatatc acacggaggt ctatagaatt tatnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnntagc aacatttgaa tggtagccag tgtaatggag 360
 agtgcagatc tagaagaaca aacacaactg gtaacagagt tacctggggg aagggtgagt 420
 ttgggggatgg agggctacag aaactttaga gttctgcaga acttttaaca tttttacaat 480
 gagaatacat catatattat ctagctaatt taaaacaaat acattgttaa aatgaaa 537

<210> 56
 <211> 847
 <212> DNA
 <213> Homo sapiens

<400> 56
 caaaattaaa cttagacttt ttgaatttat tagctgtttt tgtgaagatt aatttttagaa 60
 agctaaaatt aaacactgaa agtaagttac tttattccat acggtctctg tccagtttta 120
 gcactaaaat cagttcaagg atgccaatcc ctaattggcc aaatagcctt accattcttg 180
 ttttcttctc caaatttggt tttttgctgg tcagataact tccaatctct aaaatattcc 240
 tgaaatgata aatttttatg atacagcata gaataatatg tatgtggaga cttgaaggag 300
 tcaaattctc atgagccttt tgtagggcct aacgattgtt aaaagggggc caaaagggca 360
 ctaatttttg gaaagtgtat gtttgtttat ggtggtgaat gtgtagagag ggtgaaaagt 420
 aaaggaaaag tagaacaaga agaaagaaaa ctgataggta tgacgatgag agagaaagaa 480
 aatgggaaga gagcgcaaga cgtgcagatt tagaaaaaag gttgagggaa acatattcaa 540
 aagggaaaaa gaaagcaggg ggaaaatata ttagaggtgt tgaaattagt aggcactcac 600
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 ttacatgagg ctgaggttcc ttacctgtgt gtaaaatggg aacattgaac taggtgatct 780
 ttaagatccc ttccgggtct aaaattgttt gacattatct tggtagtcag taactgtgag 840
 aaacaca 847

<210> 57
 <211> 1448
 <212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (1420)

<223> a, c, g or t

<400> 57

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gcactaaaat cagttcaagg atgccaatcc ctaattggcc aaatagcctt accattcttg 180
ttttcttctc caaatttggt tttttgctgg tcagataact tccaatctct aaaatattcc 240
tgaaatgata aatttttatg atacagcata gaataatatg tatgtggaga cttgaaggag 300
tcaaattctca atgagccttt tgtagggtt aacgattgtt aaaagggggc caaaagggca 360
ctaatttttg gaaagtgtat gtttgtttat ggtggtgaat gtgtagagag ggtgaaaagt 420
aaaggaaaag tagaacaaga agaaagaaaa ctgataggta tgacgatgag agagaaaaga 480
aatgggaaga gagcgcaaga cgtgcagatt tagaaaaaag gttgagggaa acatattcaa 540
aagggaaaaa gaaagcaggg ggaaaataca ttagagggtg tgaaattagt aggcactcac 600
agaggtgcta atcgagagtt ctggtgggct cctgtcatgc tgctattaaa gagcattagc 660
agctaagaga tctaaattct agtcctagtt ctttgtgttg ccgtggagaa gtcagttaac 720
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atctgagtga aaagtatata catggaatat attagttata ttgaattaga ttgattggat 1380
taaaattcat tcagttgaga ggcacagtta gtctacaagn ctgagataca ggctgccaaa 1440
tttaagat 1448

<210> 58

<211> 354

<212> DNA

<213> Homo sapiens

<400> 58

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agctctgttt tctgaggacc gagtctaaaa actgaggccc tcagccactg gggacatgaa 120
atthcttgga aaggaaaaat taagtcttgg gttgactagc aaaacctgac cttttcaagc 180
tctagctcta acatcttctt gtctctgagt tgctgctgaa agacaaaaat atgagagttt 240
gggacccatt tctcactctc attctaatac agcagcagat attcattatt aatgaaatat 300
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[illegible]

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<210> 60
<211> 610
<212> DNA
<213> Homo sapiens
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<210> 61
<211> 595
<212> DNA.
<213> Homo sapiens
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28

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gttatagatg tcccaaagga atcagtcctg aatttgattc agtctcctgg atctagctgc 300
ctatgacagg aaataaagaa taacatgtng gattgcagca tgagtatgta atctgcaaaa 360
tccagactat ggggaagcttg tcaggtcaaa gggcccaggt tctttaaagc agaacttgtc 420
aggaaatggg tggaggaagg accaatagat taagacattc aagaaatata caatttttta 480
atggatgaga ctaaaaaact gtgttcaagg atgcacattt gagtgacaaa actctgaaaa 540
gacccaagga agtgattact attaaagtca aaacaacagt tggttatggt aggag      595

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<210> 62
<211> 810
<212> DNA
<213> Homo sapiens

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<220>
<221> unsure
<222> (329)
<223> a, c, g or t

```

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<220>
<221> unsure
<222> (691)..(752)
<223> a, c, g or t

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<400> 62
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atagtattct aactaatcaa ttaaaaagtg aaaataattt ttcagttctt attaaatgga 180
tggacattaa acatcagtag ctactaagat tgcaaagtcg gtcaaacatt agctatggat 240
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ctatgacagg aaataaagaa taacatgtng gattgcagca tgagtatgta atctgcaaaa 360
tccagactat ggggaagcttg tcaggtcaaa gggcccaggt tctttaaagc agaacttgtc 420
aggaaatggg tggaggaagg accaatagat taagacattc aagaaatata caatttttta 480
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agtattgtat aggcattggg agtatcgcac agttaaaata actcattaag ctaagtatat 660
ttgtatttgt ttgctgtatc tgttttattt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnggccgagg tgggctagat ctacctgtag 780
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```

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<210> 63
<211> 1215
<212> DNA
<213> Homo sapiens

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<220>
<221> unsure
<222> (778)

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<223> a, c, g or t

<220>

<221> unsure

<222> (801)

<223> a, c, g or t

<400> 63

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gtagcatttg ttcctttgaa aatgatgctc ctttcccatt ttttagtaat tgaagaggat 180
agaaagggtt tctcattgct tacgtttcac tgaattctct gcagcccctt tttccacaga 240
tgtttcagcc aaacctgtat ggaggagggt gacatggcat ggcttgctgt ttaaaacagt 300
tacggtattt tgtgcttccc ttttgagtgt gtccaagttg aacaaaagga gagcctctag 360
aacgcattgg aggggaaatt tgggaccagg accttttaca tgctggggga aactgacagg 420
actcagttag gaaagacttt tgtttgtgtt ttcttctctc tctttctctg cagagcgcat 480
gatctatata aacatgcttc ctggtcatac taaagaatct cagctagtgg tgatctacca 540
gtttctgtga ggattattac tgtattaatg cattttggga ggtgttcatt cagttcagag 600
tgaatgcttt ggaagacatt gcacagcttg aatcatgggg catcagggat agcttgactt 660
ttcctgaagg atgtatggtg gccatagact agttgggttg aagcttgcat tctgtaagcc 720
tggtatcaaa tgcacacatt aagccatggt ttcttaacag aatgaacatt ttttacannn 780
nnnnnnnnnn nnnnnnnnnn ngctcagaac cttagaacag gatgatata tcagaaagaa 840
taagggaag taggccagaa ttagaaaaca tcaagatcat tggaaaactg ctatacttgc 900
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<210> 64

<211> 1841

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (774)..(797)

<223> a, c, g or t

<400> 64

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tattgcagat agtttcacag gtcacagaac cttaaaaagg atttaaagg catgtcttgt 120
gtagcatttg ttcctttgaa aatgatgctc ctttcccatt ttttagtaat tgaagaggat 180
agaaagggtt tctcattgct tacgtttcac tgaattctct gcagcccctt tttccacaga 240
tgtttcagcc aaacctgtat ggaggagggt gacatggcat ggcttgctgt ttaaaacagc 300
tacggtattt tgtgcttccc ttttgagtgt gtcaaggtag acaaaaggag agcctctaga 360

gttttggttc taaaatagat gtaagggttt taaagtgagc aacaatctct aggagccaga 180
 tttttgagtt ttctctccca aagctgcttt tcccctagtc ttctccatct tagtgaatgg 240
 caacttcaact cttccagatg ctcacaccaa acaccctgaa atcactcttg attctttctc 300
 ttatacccca cattaaattc ctcagca 327

<210> 67
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 67
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 cctgtctgga ggatgacttt ttgtctttta aagagagaag ctgtactact tctactgtac 120
 cagaaattca tctgagagca ggttactttc tcattgtaaa gtccatgcaa gccagataaa 180
 cctatagggg agcacttcct taattagttt acaatttctg aggatagggt ggtgggagta 240
 aactgcctct gagtggtcac ttctctgga actgtccgt ctgttggtgt gtatcatatg 300
 ttctagtgc ttttttttca gttatgtcct ttcccacaaa gcagtttggt gtaaccactg 360
 taatcccagt aagctatggg tgggggtctat gtataggaat gtgcaccctg aaattcattc 420
 acttattcag cacaatttta tttgagcatc tactaagtgt tagggcactc tctgtgggtca 480
 gatatat 487

<210> 68
 <211> 1006
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (317)..(479)
 <223> a, c, g or t

<400> 68
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 tatacattta actaagtaca aatataaatg tgcctaagag gtaagcttca aatggaattg 180
 agggaaataa gcttcaaatt ctttctcat atattcatca ttttatttgt tcatatgtta 240
 tgtttttgtt gttgtgtatg ggagaggtac tgatttaggt tacttctttg tagtagagga 300
 tggtagttaa aaatacnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna 480
 atataatgtg ttggatcagt gcttatgttg aagcactagg taagtgttta ttattattac 540
 ttctcattgt agtctccttt atgaaacgtg tgtgcatagc ctgtctggag gatgactttt 600
 tgtcttttaa agagagaagc tgtactactt ctactgtacc agaaattcat ctgagagcag 660
 gttactttct cattgtaaag tccatgcaag ccagataaac ctatagggta gcacttcctt 720
 aattagttta caatttctga ggataggttg gtgggagtaa actgcctctg agtggttact 780
 tctctgggaa ctgtcccgtc tgttggtgtg tatcatatgt tctagtgcatt tttttttcag 840

ttatgtcctt tcccacaaag cagtttggtg taaccactgt aatcccagta agctatgggt 900
 ggggtctatg tataggaatg tgcaccctga aattcattca cttattcagc acaattttat 960
 ttgagcatct actaagtgtt agggcactct ctgtggtcag atatat 1006

<210> 69
 <211> 126
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (70)
 <223> a, c, g or t

<400> 69
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 tcttctcttn tttttttctt ggtcagtcta gctaaacagt tgccaatttg ttgatctttt 120
 ccaaga 126

<210> 70
 <211> 448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (364)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (377)
 <223> a, c, g or t

<400> 70
 tttttttttt ggaaaagatc aacaaattgg caactgttta gctagactga ccaagaaaaa 60
 aaaaagagaa gactcagatt aatacctcag gcatggaaaa gggagcgaga ctctgtctca 120
 aaacaacaac aacaaaaaga tacaagcaaa acaaatcaag aaacgtatac aaaggattat 180
 acaccatgac caagtgggat ttatcccagg aatacaaggt tggtttaata tttgaaaatc 240
 aatcgatgaa acacacaaaa ttgagagaat aaagatgaga agcttaatgt agggtaaaat 300
 gtctgaagct ctaagtgaat ctgttgataa gctgggggtt ctactcttgg aacgctagag 360
 aggnagagac acttagntac ttagtaacag caaaaagccc ggccaaaaag tagaactcaa 420
 gtgctttaga aactctgtgg gcaggggt 448

<210> 71

<211> 91
<212> DNA
<213> Homo sapiens

<400> 71
ttcggctcga gtaggaaatt aggaattaag taactgccct tcatactggt aatcttgata 60
tggtgaagga agtgacttgt tataagatag a 91

<210> 72
<211> 401
<212> DNA
<213> Homo sapiens

<400> 72
aacaacaaaa aaaatccatt tataaataaa aatattttta aaaacaaaga gcttgcgatg 60
ggcctgcaga cactcagcta aagatgtctc ataggttgtc cttgcagcta agtggggcca 120
tgagactagg ctttaaccag tgggctgaga gttaaagtga tttttgccat tctgttttta 180
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cctatctcat gtgtgattct acagtggggg ctatgtcccc tcttcttgaa tgtgtgtgca 300
cttgtgactg ctttgactaa cagagtatgg ggtaggatgc catgtgactt ctgaggctgg 360
gtcacggaaa gcaattgtta taagttaaat tgcatgtccc c 401

<210> 73
<211> 422
<212> DNA
<213> Homo sapiens

<400> 73
acatatgtag gtttggttata taacaacaaa aaaaatccat ttataaataa aatatttttt 60
aaaaacaaag agcttgcgat gggcctgcag acactcagct aaagatgtct cataggttgt 120
ccttgcaagt aagtggggcc atgagactag gctttaacca gtgggctgag agttaaaagt 180
atattttgcca ttctgttttt aggaatggat gtgtctgcct gtggcagatt atatttttca 240
aagatgacca caaaaatatc tcctatctca tgtgtgattc tacagtgggg tctatgtccc 300
ctcttcttga atgtgtgtgc acttgtgact gctttgacta acagagtatg ggtaggatg 360
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cc 422

<210> 74
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (392)

<223> a, c, g or t

<220>

<221> unsure

<222> (459)

<223> a, c, g or t

<400> 74

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ctttgtgtct ctacaacgta aatgtgaaaa gttagctcag acatagagga aacattcatg 60
cttctatttt aagtagaaat gcctatgtga tactcaaaaa ttcttatttt agttgtacat 120
cagaaagttc tgtttcacca gatcatgttt acagatagag tatgaggcat tgatccatga 180
gaggacttca ttcaactaac ctttactgag cacctactgt atgcaatgca ccatttccga 240
tgctaaaaca ctgcaaagag gcagacagaa atccctaccc tgatggaatt ggcgttctgt 300
gacacctctc taagtgtgtg ccccttccc tagtgctgtg acttacaatt ctttttaaag 360
ccattattat tctggagaac ccaaggattg cntctttctc agagctctaa tgtcaataac 420
cctatcattc tttgtcatag actttgcgaa ctgagggant cacatttaat g 471
```

<210> 75

<211> 214

<212> DNA

<213> Homo sapiens

<400> 75

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ggggtactca atggttagcct acagctcaac tcttactcta ataggatctc tttcctcctt 60
ctcccctaaa tttttcccac tggttgaaga gagatctgga tgactaaacc tcccatcttg 120
acaccttgga gtttggttaag caggctccct ctctgtagct tccaaagcca tgaagaaggg 180
gaaggaaggc caagacaggg gtagatagag gtgg 214
```

<210> 76

<211> 214

<212> DNA

<213> Homo sapiens

<400> 76

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cctccattca ccatctacag aatggaagag acgctaattgt caccctggaa ggtgttttga 60
agggtaattgt gtgtaaaggg ccaaacaagg cccacacag ttaaggactt aatcctgccc 120
ggccccggga gggttccgg catcttgagg ttcccctcaa aggatggcct gggcaggact 180
tcttaaaaac aaacaggcgg ctgggcgcgg tggc 214
```

<210> 77

<211> 552

<212> DNA

<213> Homo sapiens

<220>


```

ttgccatcat ccttagcctt ttaaactcat cactactgag attctaaata ctgaaagcct 600
cacaatatct aaatggggct ttgtgtgttt atattatgct taccacaatg cactacactt 660
tcaatactga agggcctttt acaaagcatg ttagtatttt agttgatgta aacagggtta 720
attagaaaca tgctagtttc taaaatg 747

```

```

<210> 80
<211> 353
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> unsure
<222> (102)..(217)
<223> a, c, g or t

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<400> 80
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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncct ggtaaaatgt acagaagcat 240
gcatttttga aacaagtaaa ggaagaagac ttaggcgctc tccactccaa ggnacactgc 300
accttncccta tgtagctttc cccagcaaca acgaagccna gcattggggtt ctt 353

```

```

<210> 81
<211> 627
<212> DNA
<213> Homo sapiens

```

```

<400> 81
gaaaagtgac ttgggtgcc a ggagacatgg gccctcccta gtccctggctg tctctaactt 60
gtgagtgact caagctgtct ccggttccac tttctggaag actaatggct tggatgagat 120
cgtgggtttc agatctgtcc tagccacaga accctctctt caaacaagcc cttacctgca 180
atctgaacat aaaatgctac ctgggtgggac tcacgagtga gttccggaca ggacaggaga 240
cggtgtgcac tgggctccag gatgtgggtg gcagtgcctg acttcccgt cctgcctgct 300
gtgggagacg agcttcttgc actggggcct gatttcccag gctggcctct cagatcccgt 360
ggcttcaagt tctcctggtc atgcagtgtc ctgggttcagc actgaattgt tccctaattg 420
tttctgtgtg ggcagattcc ttagctctac agtgaactct aacagggtag gcttgaccgg 480
cttctgtggt ttgcttgag tagttaggat gaaaattcag aacctgcctg ctgactgaaa 540
tgggcgttca tgtcttagaa tgctcaccag attgcttgtt ctcttacaca tagtagaggt 600
caataaaaac gagtttgtgg gatgttt 627

```

```

<210> 82
<211> 476
<212> DNA
<213> Homo sapiens

```

<400> 82

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tcaataacaa ctttattctc tcatgggcct ggattttaag atgttcaaaa ttaaggtgtg 60
ggcagggcca tgttctctct gacaccttta gagaagagtc cttcctggct tcttagccag 120
cattgcccct tgggtgcctg cagtccttgg tgtttcttgg ctgtagcaac atgactccga 180
tcctgtctc ctatccacac atggccttct gccctatat atctttgtgt cttgcacaag 240
gccttcttag aaggatacta gttgttggtt ttaagggtg caccctaata caacccatgg 300
cactcaatca ttaacctaaa ttaacattct gacgaaggag tcctatttcc ataataaagg 360
tcaacactga gggtactggg ttgaataatg gatatatgga catgtgtcct ccaaccccaa 420
atactcaata catatgaaat atgtaactac tcaagaaaat atacacacaa cagatg 476
```

<210> 83

<211> 387

<212> DNA

<213> Homo sapiens

<400> 83

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caaaacaaag cntcaaagtc tacactgtgg cctgtagggc cgggcctggt ctggcctggt 60
ctgtgacttt gggcctcgtc tttctcttct cccctcctgg gtctctagac tccagcaacg 120
ttggcctcct tgcctgcctc tggcatgcca agctctctcc tccctgcaga cttcattcct 180
gctgttcctt ctgttctaga tgcttcatca ttcaagcttc agcaaagatg ccttttcctt 240
gggggtggct cccagcctg agcaacagca gcctctgctg gtcaccttg ccatgtcact 300
ccactctgtc ttccatagtg gtctgttggt actgcaagta tcttattttg tgtatttgtt 360
cattgtcagc gtcttctcag tagcatg 387
```

<210> 84

<211> 4270

<212> DNA

<213> Homo sapiens

<400> 84

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atgctactga gaagacgctg acaatgaaca aatacacaaa ataagatact tgcagtacca 60
acagacacta tggaaagaca gagtggagtg acatggcaag gatgaccagc agaggctgct 120
gttgctcagg ctggggaggc caccceaagg aaaaggcatc tttgctgaag cttgaatgat 180
gaagcatcta gaacagaagg aacagcagga atgaagtctg cagggaggag agagcttggc 240
atgccaaagag gcagcaagga ggccaacggt gctggagtct agagaccag gaggggagaa 300
gagaaagacg aggcccaaag tcacagacca ggccagacca ggccggggcc tacaggccac 360
agtgtagact ttgatgcttt gttttggttt ggttttggtt tgtttttttt gagacggggt 420
ttcactctgt caccaggct ggagtgcagt ggtgcaatct tggttcactg cagcctccgc 480
ctcctgctcg tgctcagcc tccaagtaga taggactaca gtggcgctc accatgcccg 540
actaattttt gtatttttaa tagagacggg gtttcgccat gttggccagg ctggtctcga 600
actcctgacc tcagccacag ctgttgcaaa tccaacactg tcctccttag atgttaaacy 660
gattttattt caaaaaatta ccgacagagg ggatgagttg caaaaagcct ttcagctgct 720
ggatactggc cagaacttga ctgtgtcaaa aagtgaactg agaagaatca tcacagactt 780
cctgatgccg ctacacagag aacagtttca ggacgtgttg gctcaggtgc tgaatatctt 840
cagcagatct ggtggctctc tggtcacatt taggtctaaa caggtccagt gcaggcgagt 900
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<220>
 <221> unsure
 <222> (727)
 <223> a, c, g or t

<400> 87
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 gaaaagggaa tggaggggagt ccattagaga aaaggataag ataaaaatata ggccaggccc 120
 aagtcctaaa caacacccag tattttgtca tggagtataag aaaggagca gccagtgaag 180
 cagaacgaaa tcaggctctg gaggccttgt gcaagccatg agcaaagagg cggtcagccc 240
 tgcaggtgat gcgggcaggt aagaaaagga cagaaggagc cggaccgctg gatgcaacaa 300
 cttggagctc actggtgagc tcagtgatcc acgtcagtgg agacagagcc tgacgggtta 360
 aaagtaaatg gaaggtgagg atgagagaca tcacatatgc agacaattct cttagtgtact 420
 aattccatat aatcagcaat tactaagaaa ttctaggcct tgtggctgca tggctgtgac 480
 tccctgtggt ttggtctgat tacagctcct ctgaaagggtt tcctggccag ctgtgaagcc 540
 actcacagcc tcattgagac tgggctctcg cccgatgact cctgcagctc ctcaattgga 600
 ctctaatacac agagtaccgc tgctggcctt tttatttttag ggagaatata acctccttac 660
 tgatggctca cgaagccgca ctgccaggct acccaggtag accaacaagc accacttccg 720
 aggtctnttc gctctgccca gcgtactggc aagccacctt ggttttcaca ttaccttta 780
 attcacacca cgaggctgcc tcttaattcc ctgtgtatat tccactgcct tgaaacgtac 840
 cacattacgt ttcaattaaa aagaatcc 868

<210> 88
 <211> 896
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (755)
 <223> a, c, g or t

<400> 88
 aatcgcatgat gccagttaag aggccgcaaa cagacaagtc cagagatcca aggaaaggcc 60
 agaagattaa gagtgtggaa gtttttagga aaagggaatg gagggagtcc attagagaaa 120
 aggataagat aaaatacagg ccaggcccaa gtcctaaaca acaccagta ttttgtcatg 180
 gagtatagaa agggagcagc cagtgaagca gaacgaaatc aggctctgga ggccttgtgc 240
 aagccatgag caaagaggcg gtcagccctg caggtgatgc gggcaggtta gaaaaggaca 300
 gaagggaccg gaccgctgga tgcaacaact tggagctcac tgggtgagctc agtgatccac 360
 gtcagtggag acagagcctg acgggttaaa agtaaattgga aggtgaggat gagagacatc 420
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 ctaggccttg tggctgcatg gctgtgactc cctgtggttt ggtctgatta cagctcctct 540
 gaaaggtttc ctggccagct gtgaagccac tcacagcctc attgagactg ggctctcgcc 600
 cgatgactcc tgcaagctct caattggact ctaatacag agtaccgctg ctggcctttt 660
 tatttttaggg agaataatac ctcttactg atggctcacg aagccgcaact gccaggctac 720
 ccaggtagac caacaagcac cacttccgag gcttnttcgc tctgcccagc gtactggcaa 780

<400> 91
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 gtcttctttt ctaactttta tccttctttg atcttatgac ccaaattttt agtaggctgt 120
 taagaagatg ccatgtcttt tttccactag cactttcaat tttctaacca aaataaaaatg 180
 ttatgtcttc tccaaggctg accttttacc ttctagtctc agttttggct caagccatta 240
 ccagcactcc catcccccaa ccctaaaatg aaacttctct tctgtttgtt atttctcttc 300
 ctgacaatgg atcaacaaac atacat 326

<210> 92
 <211> 86
 <212> DNA
 <213> Homo sapiens

<400> 92
 acaggcgtga ccacccgtgc ctggcccacg ctgtccttaa ggagacactt tgggtgcatac 60
 acagctgctc agcaaaaccc gacttc 86

<210> 93
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 93
 gagcaaatga taaaacaagc aggattaaac gttaactgtg tgtcagtcta agaggaacct 60
 ggctatcctt tgtaattcta ttgcagtctt tgtgtaaatt tcaggttact tccaaattta 120
 gaaaaaaatt aagtgaacac atatattgac ccaaagttag acccattctg taacatgaaa 180
 atacaaggca aaaatatata taatacaact atgttaaaag accctttttt ctatcttacc 240
 taaaacttaa catctccaat gattatccat taataagctc ttttta 286

<210> 94
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 94
 gataaaagta atgtattgat gttaaatttac tgcagttgat aactgtatca tggttgtgta 60
 aagtattaat aatatcctca ttattgagaa atgcatattg aagtatttag aggtaaagaa 120
 gagtaatgta tgaaattgaa atgattcaag aaaaatttgt gtatagaaag agcaaatgat 180
 aaaacaagca ggattaaacg ttaactgtgt gtcagtctaa gaggaacctg gctatccttt 240
 gtaattctat tgcagtcttt gtgtaaattt caggttactt ccaaatttag aaaaaaatta 300
 agtgaacaca tatattgacc caaagttaga cccattctgt aacatgaaaa tacaaggcaa 360
 aaatatatat aatacaacta tgttaaaaga cccctttttt tatcttacct aaaacttaac 420
 atctccaatg attatccatt aataagctct tttta 455

Redes II

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<210> 96
<211> 262
<212> DNA
<213> Homo sapiens
```

```
<210> 97
<211> 87
<212> DNA
<213> Homo sapiens
```

```
<210> 98
<211> 230
<212> DNA
<213> Homo sapiens
```

$$\begin{aligned} \langle 210 \rangle & 99 \\ \langle 211 \rangle & 144 \end{aligned}$$

<212> DNA
<213> Homo sapiens

<400> 99
gcctttcattt ctagtggagc attcccaggc caaattaggt gaagggctctc atttcctagg 60
atttcttcac aggtggcatc cgtcctcaga tgggctacct aggactaggg atggctgcag 120
gtttcaagga gcgagtagtt gaat 144

<210> 100
<211> 469
<212> DNA
<213> Homo sapiens

<400> 100
gactaccaca caaggttatg catgttgtgc gatgttcagc tgtaggtggg gcgataactca 60
aatcgtagcc taggctgcta gtctttacat gcacagtgtg gtttagatgt gtgcttaatt 120
ctcacagaag ccctacgggg caggcattcc cgttttacag atgtggaaac aaactatgag 180
ggtaagaatt tggccagggt ttcacagcta ggatatggag ttgctgggat ctgaccgcag 240
tctgtttcc ttcctaattcc attggctgcc caccaggctg cccacgggg tgtccctggg 300
cagtcgctta tctatactat ctacctttac atacgttgat tggctggctg aggtgagtac 360
actaggactt gactggaaaa ttttacaac caagaaagca agggattctg ttcctcctac 420
ctcctagctt tctgtctcct agggaaagag aanattaca aagaagaaa 469

<210> 101
<211> 200
<212> DNA
<213> Homo sapiens

<400> 101
gggatgaatg gcagacttta actggatgct ttatttaggc ttttcgaaag caaaaaaagt 60
ttatacattg ttacagctgg gtgttgggtt acaggctgtt tgttatattc atgtattagt 120
tctgttatt ttaacatttt aaatatttca taattgaaaa aggaaaaatt agactgggac 180
cagtttatag aaagctttaa 200

<210> 102
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (145)..(170)
<223> a, c, g or t

<220>

<221> unsure
 <222> (435)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (444)
 <223> a, c, g or t

<400> 102
 gggagaaaaat agtgttgtat gggagtaata tatttctatg tctctctggg atcaagctga 60
 gatcaatatg tactgggac aagtacatat tggaagctga ttctgtaaat taagatatac 120
 atggttaagcc ctagagtaac ccctnnnnnn nnnnnnnnnn nnnnnnnnnn acctcaaaaa 180
 acatagttag ataaataatt taaattcttc attaggaaat atttacttaa tgcagaagaa 240
 agcagtaagg gaggaataga agaacagaaa aatacatgag acacagtaaa ccaaaagtaa 300
 aatgacagct ataaatccaa cttatatcaa acataacatt aaatgtgaat ggattaagga 360
 atctgatcag aatgcagaga ttgtcagatg gattaaaata atncaataag gtccaactat 420
 aactgtctg taggncacac atgntagacg tgatgtttat a 461

<210> 103
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 103
 gcttgcccta aggaacatga caaggatctg ttgtaagatc cacttcctaa agtgcttaaa 60
 gaaagaaatg gaaatctcaa gctaaggctc cgagtcactg tgaggagac tttcccctc 120
 cagtctattc tgtagtaaca gaataaattt caaaataatt atttttccta attataaata 180
 gaagtaatat cagctaattg tttaaagttt ggtaaataatt ttttaaattg gaaaaaattc 240
 ctctaatttc actcctaaaa ctcttttaac aatttgggta tctccagcct aggcaacaag 300
 agtgaaactc tgccacaca 319

<210> 104
 <211> 563
 <212> DNA
 <213> Homo sapiens

<400> 104
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 ctatcaacac ataattacaa catgtgatat gagctatgaa cacttatgaa caaacagggt 180
 gctgtgtaaa agaataaagg aacaaagatc tgtgtatagg agttttctgg aaaatgtttg 240
 gattcggcag tcattttcaa aggcagaggg cattgatagc agtatcttaa catggaaaac 300
 attaaaacta actagatatt agtattctat ttccaattca aaaataacca gaagatagtg 360
 atgttgtttt gaatatagga tgtcaatctt tgtgttaatg tgttttgaaa aagcaagact 420
 taattgaaaa tatacatcaa attataattt cagtgtatta aaaaactgcc tgtttaataa 480

tgctcctttct ttgctgtaaa ttttggttaa aatctattgg agttacgtcc ttgtggtgaa 540
gtacacccta cccccaagag agc 563

<210> 105
<211> 1041
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (140)..(229)
<223> a, c, g or t

<400> 105
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taagtataaa aatgtatacn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnt gtgtatatgg 240
tccgtacctg aaaggaagtt attctagtag gagaggtgat ctatcaacac ataattacaa 300
catgtgatat gagctgtgaa cacttatgaa caaacagggt gctgtgtaaa agaataaagg 360
aacaaagatc tatgtatagg agttttctgg aaaatgtttg gattcggcag tcattttcaa 420
aggcagaggg cattgatagc agtatcttaa catggaaaac attaaaaacta actagatatt 480
agtattctat ttccaattca aaaataacca gaagatagtg atgttggttt gaatatagga 540
tgtcaatctt tgtgttaata atgtgttttg aaaaagcaag acttaattga aaatatacat 600
caaattataa tttcagtgtg ttaaaaaact gcctgtttta atatgtcctt tctttgctgt 660
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gagagcaaat gatgaataaa tcagtagatg ttccatgaat gcaatgttgg ctgagctggc 780
cacagtggag tgtgatcacc tggttatagg agaatagcca gcaggttata tttcataatt 840
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tgaatagaca attttattca ttgaataaac attgagaatt gcctactgag gcctgggctc 960
taggaattcc accaagaata aaaaaagaca tgggtgttttg ccctcaaatt gcttagaatc 1020
tattcaggcc acttagtagc a 1041

<210> 106
<211> 451
<212> DNA
<213> Homo sapiens

<400> 106
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ttctaaagga ctagccacaa cgtttgaccc tcaatctaag gtcaacactg ctatccattg 180
ctcacagacc agagtgcac tcccatgagg caaaagagca ggtgtgagaa gtgggtaagc 240
agtctgtata ttgggggtgt ggtggatggc ataggggata actcagtcta atgaaagaca 300
tcaatgtgcc attgggaaag gacagaggtt gccccctctt tccccagat agtcgcccag 360
cttataaatg catagatctg ggacagagaa taagggtcac ctaggttccc cctaatacaca 420

ggcgggacta ggacttttgg agatgtctca c

451

<210> 107

<211> 103

<212> DNA

<213> Homo sapiens

<400> 107

atcttgggcg gtctgaaatc tgagatactg tggaaagaac agaaagatcc tgtatctttc 60
ctataattgt tctactggaa gttgtcattt tacacaggag aca 103

<210> 108

<211> 979

<212> DNA

<213> Homo sapiens

<400> 108

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tttgaagca gtaagtccag cccgaggcta aggaggtgtt aaccaccgaa ggggggtaga 120
atgtttttcc ccaccagagg aggcagcgac cacgtctcct ctatggaggc attcaagagc 180
cgtccagctg aagcagcatc actgtctgag ctcggaaggc acaatccaca taggtctgca 240
tggtccacag agctgcatac ccacggggcc agcgggaggt gggcagctgc cgggctctct 300
tctgaagcag acaggatctc actctgttgc tgaggctgga tcacagctcc ctgcaacctt 360
gaactctccc tcaagcaatt ctccccactc tgocctccaa agcactagca ttataggcct 420
aagccaccac tcccattccac tgtagtgtaa actgtctcct tcaatgtttc caatagttgc 480
ggagcagatc agataagggt tcttcctgtc tgttgcttca agtttcattc tctctttaaa 540
caatacaagg ttggcttcca tggttccttc ttaaagaatg ttgaagggtgt gtcttcagat 600
tcatttagtg ttcgtggaac cccagggaaa gctgatgtaa aaacctcttt tttctcccat 660
atgtctcaaa aagttgtatt ttctgggtcc aagggatctg caagcctcct aaaggcattt 720
ccattgtcac taccaccagg tgtgaactgt aatctggcac gtatagttcc aagaactgtc 780
ataatagatg ctgaagaaac attgtgaagt taactcgtctg ttaccaactg tgaagtcatt 840
agctagagga atcttgggcg gtctgaaatc tgagatactg tggaaagaac agaaagatcc 900
tgtatctttc ctataattgt tctactggaa gttgtcattt tacacaggag acattctgtt 960
ttattttatt tcttttgag 979

<210> 109

<211> 668

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (583)

<223> a, c, g or t

<400> 109
tattcagcctt taagggtttat tgtcccacaa tggctgtgga gttaaaaaaa aaaattcagt 60
gagtttggat ataagattat tatttaatga ataatacataa cataggaaaa catatcaaaa 120
catagggaaa accaacataa atagttcttca aaagacacta gttcttggta tattcacata 180
accacctttg tgaatgcagc acattaatac atctgtcata tagcacttta aaatggccaa 240
ctttttaagt gcttttatac tgtattctct ccacaatgat gtgactttcc aaaattttcc 300
actgaaaaag atgtaacctt gcaatgtggt ttagtatgga acttactttg cactgtatct 360
ggcggttgaa ttttgctttt attgtactgt ggacttgtga ctaaggcaaa taaaacttaa 420
gtcacttaa ttttaatatc tcaaaataac atttaggaaa aggtgcagtt tttctttgct 480
tcagaatggg tttttatcac aaaggaatga gtgagacatt tatttgtgct gggacttctg 540
cacagtcatt gaatgctgtg agtgaatgtt aagtgaaaat tcntggtcaa ggggaaaacc 600
aaggtttcct ttccagggat aattcctacc caaattacct acctggaaag gggaggaatg 660
gccgagcc 668

<210> 110
<211> 1112
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (17)
<223> a, c, g or t

<220>
<221> unsure
<222> (27)
<223> a, c, g or t

<220>
<221> unsure
<222> (59)
<223> a, c, g or t

<220>
<221> unsure
<222> (1027)
<223> a, c, g or t

<400> 110
aaaaatgcca ggccatngta ggggatncca gtcttatgcc ctttatgcct tcccagtcnc 60
aattaagacc ttgattgagc tgcagtacct ttaaaaagga ttagaagagc tattgaatga 120
cttaatttat tagaagtttt taagtgcagc cattttctaatt tattcaagtg catttatttt 180
tcatgaaaaa aggtagaatg atttgttctg acataaagta aatagtgttg atgcattaga 240
aattgtgtgt cttgattatg atttctgtac tttttgcatt agaagtataa tggacttgta 300
tttttaaata gttgaaacta gcactgtgat catattaaat aatgcatttc tcagtttgga 360
cttcagatag ggattcattt gttgatattt tctttcttct ctcccctgct aacataaaca 420

atcttaccgt tgggtgggtcc catataattg acagctgttt ttctttctna gaggtatgtg 840
 caataatgat acatcttata atcagtggtg tcttagagtt gatgaattat ggtatttgcc 900
 taaagaattt ttataaggat taaaatgtat tattcaagtg cttntntttc actatggcat 960
 ataaagaggc cagggngctgg aaaatgctca ggtgcatttc agttttgagc ttataaaact 1020
 gggtagataa catgactagt g 1041

<210> 112
 <211> 1380
 <212> DNA
 <213> Homo sapiens

<400> 112
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 tggatcatgga attgcagatt gccccgccgc ccttgaaaat caagacatgg gcactgggat 120
 atgttacagg tgtgggtcca cagagcacga aataaccaag tgtaaggcta aagtagacc 180
 ggctcttggc gaatttcctt ttgcaaaatg ttttgttgt ggagaaatgg ggcacctgtc 240
 tagatcttgt cctgataatc ccaaaggact ctatgctgat ggtaagtact gttaccctca 300
 tatagcagaa atggtgagtc atcgtgcagt tgtgatttaa ttacactca atcacagttc 360
 ttgaataaat tcttgaataa attgcaaac cttgagaatt acattatttt tatcaagtgc 420
 tatcatatgt actaggcttt ttgtgcaatt tgacttcaga tgtaataaaa acaaatcaga 480
 aaaaactaag gtgtatatat ccaactgtgc ttgcttcac atttgtgaga ctatgtcata 540
 catttctact tttagacata acagaagcag agagattata tctcaagcta atatgaggtt 600
 tttaaaatcg tattatatat tcagcctcag ccagcatatc attttggtgg aggggtgggt 660
 acagatgatt caatattgta gtaatgtttg cttctgaatt ttttttctta gttatttgtc 720
 tggataggga tcatgtagct tttttctctt taactcgggt aattaagggt cacacagtaa 780
 agtctatgag gtctaaagct ttaaggcgga ggttggtatc tgtaaatgtg atggctgggt 840
 ccatcaggct ctagacgttt cttgtgtcat gtctgggtt tccctcctgg agaagtcag 900
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 actagctggg gggctttggc caactaccaa actctgatct ccgtttcctc acctatagag 1020
 tggagatgat aaaactatat ttatttgatt ctaagatgca cagtttttca attttaatct 1080
 cttggaaatc agaatgtatc ttaccgttgg tgggtcccat ataattgaca gctgtttttc 1140
 tttctgagag gtatgtgcaa taatgatata tcttataatc agtgggtgtc tagagttgat 1200
 gaattatggt atttgcctaa agaattttta taaggattaa aatgtattat tcaagtgcct 1260
 ctctttcact atggcatata aagaggccag ggcttgaaa atgctcaggt gcatttcagt 1320
 tttgagctta taaaactggg tagataacat gactagttag caaaaatggc tttcactgggt 1380

<210> 113
 <211> 393
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (163)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (191)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (198)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (206)
 <223> a, c, g or t

<400> 113
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 aatctttaac aacataaggt ttagatacca tttgcattga gtacccacta ggtgccgact 120
 cttttaaaagt gcatttttag tttcattatc tcaactttgt aangttggca tcattattcc 180
 cattttacag nagataanat tgaagnaaag tcaagtttag gggattttca aggttgtaca 240
 gtacaactgg gtgacaaaat ttttgctctt tcaatgataa tgaggcctct gacatcttcc 300
 tttctcataa gactacattt agtataactt atatatttta tcagtcaaca actatctttt 360
 gagaacttgt acaccagga ctgtgtaatg ggc 393

<210> 114
 <211> 440
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (95)..(291)
 <223> a, c, g or t

<400> 114
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn natgatatca 300
 aactagggttc gtcctgcccc cgtgcagcaa gccaatcact atgatgatgg gttttgccaa 360
 aagagacaag attttattca tagggctgct gaatgaggag acaggagagc aaatcccaa 420
 tctggcaccc tgaaaatagg 440

<210> 115
 <211> 791

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gaagtgtacc	tttctgggta	atgtgtcacc	cagtcacctg	gccatgtgag	aggacaggca	1500
cagttgccac	acagtactaa	tagttggtct	cttctttaag	ggtcaaaaaa	aaggaggtgg	1560
agcactttta	agaaagtgtt	aaggttccat	gaagatgtta	tggtggcggtg	ctggcaggtg	1620
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cttataaaga	agtcttttag	ggctgggctc	ggtagctcat	gcctgtaatc	ccagcacttt	1740
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gcagcccgcc	gcgcagcccg	ccgcccagc	ctgggcgaag	cccctgacgg	accaggagaa	1980
gcggcggcag	atcagcatcc	gcggcatcgt	gggcgtggag	aacgtggcag	agctgaagaa	2040
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cgactactac	ttcgcgctgg	cgcacacggt	gcgcgaccac	ctggtggggc	gctggatccg	2160
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aagcaagttg	aaagtcatct	tcttgagaa	ctacagagta	tctcttgctg	aaaaagtc	3780
tccagccaca	gatctgtcag	agcagatttc	cactgcaggc	accgaagcct	cggggacagg	3840
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gctgaagctg	gtcattgatc	aaattgacaa	tggtttttt	tctccaagc	agcctgacct	4080
cttcaaagat	atcatcaaca	tgctatttta	tcatgacagg	tttaaagtct	ttgcagacta	4140
cgaagcctat	gtcaagtgtc	aagataaagt	gagtcagctg	tacatgaatc	caaaggcctg	4200

gaacacaatg gtactcaaaa acatagctgc ctcggggaaa ttctccagt accgaacaat 4260
 taaagaatat gcccaaaaca tctggaacgt ggaaccttca gatctaaaga tttctctatc 4320
 caatgaatct aacaaagtca atggaaattg a 4351

<210> 117
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 117
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 cggtgaggac tcagcagcat gaagtagaga aattcacaat tggtagaaag gactattgtc 120
 cttcaacctt cattaagggt aactattcaa cttcattaa aaacagaaag tgacaatttc 180
 acagcaaatt ctagaacttt agatcaaaag tcaactcaat atgggggatt tatataagaa 240
 agagttaaaa aaaagacgaa atgtaatatc tatgttattg caagtgaag gaaaacagga 300
 agataaatat cacaagaaga caaaaatgta tctaactttt tgggacaaga ttgtgggac 360
 cacagaaaat tggaacttgg aacttcctgt tccacagaga taaganatac cttgctttta 420
 tctcacttct caaaaaagta agtgatgggg ttag 454

<210> 118
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 118
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 cggtgaggac tcagcagcat gaagtagaga aattcacaat tggtagaaag gactattgtc 120
 cttcaacctt cattaagggt aactattcaa cttcattaa aaacagaaag tgacaatttc 180
 acagcaaatt ctagaacttt agatcaaaag tcaactcaat atgggggatt tatataagaa 240
 agagttaaaa aaaagacgaa atgtaatatc tatgttattg caagtgaag gaaaacagga 300
 agataaatat cacaagaaga caaaaatgta tctaactttt tgggacaaga ttgtgggac 360
 cacagaaaat tggaacttgg aacttcctgt tccacagaga taagaaatac acttgctttt 420
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 agctgcaatc aattgtacta tctg 504

<210> 119
 <211> 407
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (385)
 <223> a, c, g or t

<400> 119						
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gaatatat	ataataacat	tcgttatatt	ctttatat	ataaaacatt	ggaaacaatt	180
tttatggcca	aaaatggatg	aatagctcag	taaatgacgg	ttctctgcaa	gcgatgta	240
agtatgcagt	cagtaagcaa	atacagaaga	tactaagttg	caacattaga	atatataata	300
ttgtgtatta	ggaagtcagg	ttatcatatt	taaattttga	acaaaagtaa	aggttagatc	360
agttcaattg	agaaataggg	gtcanttcag	aaaatgttat	tccatga		407

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<210> 120
<211> 104
<212> DNA
<213> Homo sapiens
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<400> 120
taaagaagtg ggtatcaggg actcctgtga gatagcatga gaaggtggta catttgggag 60
gtctcaaggg gttactgaat tattggaatt agaatcaaag ggac 104
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```
<210> 121
<211> 149
<212> DNA
<213> Homo sapiens
```

```
<400> 121
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atacactatg ttcctaaggt acctcggaat atcctcagaa ccatgtgttg caaatggcaa 120
tgctgtggta caatggggtc tcctaggca                                     149
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<210> 122
<211> 419
<212> DNA
<213> Homo sapiens
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<400> 122						
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cattcttgag	ttttctgtcc	tccctggtac	catgaaactg	gagatctttg	gagacctatc	120
acagaacatg	tactggaatt	gtttgtgtgt	ggagtaaagg	cagctgtttg	tagccatcta	180
gttgggaaact	gtctttcctt	ggatagttag	ctactctggt	ggtgtgtggt	gtaacactta	240
cctgttgctg	gcacgtagtc	agtgatttct	gtcatgtata	agtaggcctt	gccattgtca	300
gcaggtaatg	atcttggaag	gaccaacttc	tgtaaagtga	atccacaatc	tagtgagggg	360
attatagcta	tcaaacatat	ttctcagtc	actttttaag	aagtagtcat	ttaggctgg	419

$$\begin{array}{ll} \langle 210 \rangle & 123 \\ \langle 211 \rangle & 691 \end{array}$$

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agggaaaaag a

491

<210> 126

<211> 752

<212> DNA

<213> Homo sapiens

<400> 126

ctcagctgag aagcagacac attgtgaaat ggactcccc aaaagagttt catctgactt 60
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cggctggttt tagcaacaag gacagtgttg gtaggggtgag aaacactatc ccaagtcata 180
tgtctgtgtg actacaggac atttcttttg aatgccacaa ggatgattta tatgattact 240
ggtgacaagc ctctgtctcc tgaagacagg ccaagataac gttagattga atttcaagag 300
atgaaagtga ggtttttaag taatagcaaa gccttgtgtt tctgtagtac tttgtgcttt 360
ttgaagtgtc ttcacagtca ttatcctgtt tgatcctact aagaaccctg aaagtacata 420
ggttggttgt ttttatcctg agactacaaa tgataccaag gataacgatg agtaggaatc 480
agagctagaa ttaaccctta ttttcttact attgaccag catgctttct atgttgaaaa 540
gtgcaccaca tcgagaagag attggtcacc gcagcacagg gcacgcagaa ttccattagt 600
atcacttacc tgggaagtcc aggtgccttc aatagttgag gggagtaaat gatatgacta 660
cctaccttca aaacttgtag tttaaagtgg taacttgaat actcacattt acctctgttt 720
ccttctctca aaagaatggt tttttaaagg gt 752

<210> 127

<211> 158

<212> DNA

<213> Homo sapiens

<400> 127

aaaaaaaaa aaaaagacag ttgggttgtc atatctcttc tgcctttaat ttgttgaggt 60
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aagcagataa catcttagtg ttattaatga aagtagta 158

<210> 128

<211> 642

<212> DNA

<213> Homo sapiens

<400> 128

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ctgttctgct cctttttcag ctttctggtt ccctgtagct tctggaactg attatttttg 240
tttctttaat gctgcctgt cttgtaaaa gagagccatt agcatcattt gttttcagga 300
gagaagcaga tttgaaggct caggaaacttc ctgggaaagg tgacctcttt tgagccaaga 360
gctttacccc ctagtttttt gttttttttt tctctgtct acctggagct gagaggttat 420

agcttgaaat	ttaactattg	tcagatattg	gggcaaaaac	catctgtata	cctcatggac	480
ctccagtaaa	cacttgtaga	ttatgagttt	agattgttta	aagtagattt	cagtatttcc	540
agagtgaatt	tagtgttact	tgtgaggagg	agggtgagaa	tatgtatcta	gttgagtggg	600
agtacttggt	tgtctacggg	tcgtaacggc	catgcaacac	caccacagga	atcgagaaa	660
agtataaatc	tgtcaatcct	gtacgtgtcc	ggaccgagtg	aggtttcccg	tggttgagtaa	720
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<210> 132

<211> 214

<212> DNA

<213> Homo sapiens

<400> 132

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ttttctcctt	ttcactgccc	ttttttcttc	cctcatttac	ccctgtgttc	tgtactgtca	180
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<210> 133

<211> 479

<212> DNA

<213> Homo sapiens

<400> 133

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actttttgtt	gatagtagtt	cagtgggata	gaccatcaat	tgattgcata	cctccatgct	180
ttgctaattg	tcttctat	atccaaaacc	cttcccatgt	ttttgcttaa	acatcattca	240
tattccaaga	ctaaagtcaa	tgaaaatcta	tatcaggatg	attgtcctca	atcttctggg	300
tggactacat	gtctctcatc	aattatactt	tgtatcatca	gtctgattca	ttcaaatagt	360
ctgtgtatta	tatgtgcctc	aggctaata	ctattaatac	ctgtatat	gaaaagaaag	420
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<210> 134

<211> 270

<212> DNA

<213> Homo sapiens

<400> 134

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acacttgagc	ctctttcttt	tttaagatga	catacttggt	atagttgtca	aatatggaca	180
ataacaggaa	gccaaactca	aataataata	atagggtggt	acaaagccgt	ggcacatggg	240
ccccactgta	gtccagctgt	ctggagctga				270

Leu His Leu Pro Gln Leu Thr Thr Glu Lys Arg Thr Gln Leu His Lys
 20 25 30

Arg Asp Cys Lys Ile Arg Lys Tyr Ile
 35 40

<210> 138
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 138
 Met Val Thr Leu Gln Met Pro Ser Val Ala Ala Gln Thr Ser Leu Thr
 1 5 10 15

Asn Ser Ala Phe Gln Ala Glu Ser Lys Val Ala Ile Val Ser Gln Pro
 20 25 30

Val Ala Arg Ser Ser Val Ser Ala Asp Ser Arg Ile Cys Thr Glu
 35 40 45

<210> 139
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 139
 Ile Gln Asp Lys Asp Ser Val Asn Met Val Thr Leu Gln Met Pro Ser
 1 5 10 15

Val Ala Ala Gln Thr Ser Leu Thr Asn Ser Ala Phe Gln Ala Glu Ser
 20 25 30

Lys Val Ala Ile Val Ser Gln Pro Val Ala Arg Ser Ser Val Ser Ala
 35 40 45

Asp Ser Arg Ile Cys Thr Glu
 50 55

<210> 140
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 140

10000256-100101

Met Phe Leu Tyr Ala Phe Met Tyr Ile Phe His Leu Tyr Asn Glu Cys
 1 5 10 15

Met Tyr Leu Leu Ser Leu Tyr Lys Leu Leu Leu Phe Val Ile Phe Phe
 20 25 30

Phe Phe Pro Phe Phe Gly Phe Leu Thr Phe Gln Lys Met Lys His
 35 40 45

<210> 141
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 141
 Met Asn Leu Gly Asn Lys Pro Tyr Phe Leu Ile Thr Met Leu Asp His
 1 5 10 15

Leu Ser Pro Arg Arg Gly Trp Gly Thr Gln Asp Glu Ser Leu Gly Ser
 20 25 30

Leu Trp Tyr Gln Ile Leu Asn Ile Pro Ser Leu Leu Asn Ala Thr Leu
 35 40 45

Leu Leu Pro Leu Leu Glu Gly Lys Asn Ala Lys Met Gly Ile Ser Leu
 50 55 60

Ser Leu Gly Pro Val Pro
 65 70

<210> 142
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 142
 Met Tyr Trp Tyr Ser Phe Gln Ser Ser Ser Trp
 1 5 10

<210> 143
 <211> 230
 <212> PRT
 <213> Homo sapiens

<400> 143

10000256-110101

Leu Asp Arg Leu Ser Lys Ala Lys Ile Asp Lys Lys Thr Leu Asp Leu
 1 5 10 15
 Asn Ala Thr Leu Asp Gln Met Asp Leu Thr Asp Ile Tyr Arg Thr Val
 20 25 30
 Tyr Leu Thr Pro Thr Asp Tyr Thr Phe Phe Ser Ser Ala Cys Gly Thr
 35 40 45
 Phe Ser Arg Ile Asp His Met Leu Ser His Lys Thr Ser Leu Asn Lys
 50 55 60
 Phe Leu Lys Ile Gly Ile Ile Gln Ser Ile Phe Ser Asp His Lys Arg
 65 70 75 80
 Ile Lys Leu Glu Ile His Thr Lys Arg Asn Phe Gly Asn Tyr Thr Asn
 85 90 95
 Thr Trp Lys Leu Asn Met Leu Leu Asn Asn Tyr Trp Val Asn Glu Glu
 100 105 110
 Ile Lys Met Glu Ile Ala Lys Phe Leu Lys Thr Asn Arg Asn Gly Asn
 115 120 125
 Ala Thr Tyr Gln Asn Met Trp Asp Thr Ala Arg Ala Met Ala Arg Gly
 130 135 140
 Asn Leu Thr Val Ile Asn Ala Tyr Ile Lys Lys Val Val Glu Ile Phe
 145 150 155 160
 Ala Ile Lys Asn Leu Ser Met His Leu Lys Glu Leu Glu Lys Gln Lys
 165 170 175
 Gln Thr Asn Pro Gln Ser Ser Arg Gln Lys Glu Ile Met Lys Ser Arg
 180 185 190
 Ala Asp Gln Asn Glu Thr Asp Lys Lys Thr Ile Gln Arg Val Asn Glu
 195 200 205
 Met Lys Ser Cys Phe Phe Lys Lys Ile Asn Lys Ile Asp Asn Pro Leu
 210 215 220
 Ala Ala Leu Thr Lys Lys
 225 230

<210> 144

<211> 149

<210> 146
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 146
 Cys Gly Trp Trp Thr Gly Met Pro Gly Ser Ser Pro Gly Ser Leu Leu
 1 5 10 15
 Pro Ser Asn Arg Leu Ser Leu Val Pro Leu Val Pro Ser Ala Ser Met
 20 25 30
 Thr Arg Leu Met Arg Ser Arg Thr Ala Ser Gly Ser Ser Val Thr Ser
 35 40 45
 Leu Asp Gly Thr Arg Ser Arg Ser His Thr Ser Glu Gly Thr Arg Ser
 50 55 60
 Arg Ser His Thr Ser Glu Gly Thr Arg Ser Arg Ser His Thr Ser Glu
 65 70 75 80
 Gly Ala His Leu Asp Ile Thr Pro Asn Ser Gly Ala Ala Gly Asn Ser
 85 90 95
 Ala Gly Pro Lys Ser Met Glu Val Ser Cys
 100 105

<210> 147
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 147
 Met Ser His Gly Ser Gly Trp Gln Cys Tyr Ser Pro Met Asn Thr Asp
 1 5 10 15
 His Ser Ser Asn Thr Gly Asp Trp Ser His Thr Ala Thr Phe Leu Ser
 20 25 30
 Arg Gln Arg His Lys Thr Arg Lys Asn Arg Thr Thr Leu Arg Ala Val
 35 40 45
 Met Trp Glu Cys Gly Pro Ser Tyr Asn Thr Gln His Gln Asn Trp Thr
 50 55 60
 Leu His Leu Lys Gly Phe Lys Thr
 65 70

10000256-110101

<210> 148
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 148
 Met Glu Gly Pro Thr Asn Arg Ser Ser Leu Glu Pro Pro Glu Glu Ala
 1 5 10 15
 Gln Pro Ser Gln Gln Phe Gly Arg
 20

<210> 149
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 149
 Met Leu Asp Leu Leu Ile Val Phe Arg Ile Lys Ser Lys Leu Leu Lys
 1 5 10 15
 Met Ala Phe His Asp Leu Val Ser Pro His Gln Asn Ala His Thr Met
 20 25 30
 Leu Leu Leu Thr Pro Ser Gln Leu Trp Leu Pro Ser Thr Cys Ser Ser
 35 40 45
 Gln Ala Ser Thr Ser Phe Leu Val Ser Ala Val Leu Leu Ser Pro Pro
 50 55 60
 Ser Leu Leu Ser Pro Gly
 65 70

<210> 150
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 150
 Met Ser Thr Cys Phe Leu Ala Ser His Gly Asn Ser Cys Leu Leu Cys
 1 5 10 15
 Ser Phe Ser Ile Ile Ser Leu Leu Leu Ala Ser Lys Glu Ser Phe Val
 20 25 30

Lys Phe Ile Ala Leu Asn Ala His Lys Arg Lys Gln Glu Arg Ser Lys
 35 40 45
 Ile Asp Thr Leu Thr Ser Gln Leu Lys Glu Leu Glu Lys Gln Glu Gln
 50 55 60
 Thr His Ser Lys Ala Ser Arg Arg Gln Glu Ile Thr Lys Ile Arg Ala
 65 70 75 80
 Glu Leu Lys Glu Ile Gln Thr Gln Lys Thr Leu Gln Lys Ile Asn Glu
 85 90 95
 Ser Arg Ser Trp Phe Phe Glu Arg Ile Asn Lys Ile Asp Arg Ser Leu
 100 105 110
 Ala Arg Leu Ile Lys Lys Lys Arg Glu Lys Asn Gln Ile Asp Thr Ile
 115 120 125
 Lys Asn Asp Lys Gly Asp Ile Thr Thr Asp Pro Thr Glu Ile Gln Thr
 130 135 140
 Thr Ile Arg Glu Tyr Tyr Lys His Leu Tyr Ala Asn Lys Leu Glu Asn
 145 150 155 160
 Leu Glu Glu Met Asp Lys Phe Leu Asp Thr Tyr Thr Leu Pro Arg Leu
 165 170 175
 Asn Gln Glu Glu Val Glu Ser Leu Asn Arg Pro Ile Thr Gly Ala Glu
 180 185 190
 Ile Val Ala Ile Ile Asn Ser Leu Pro Thr Lys Lys Ser Pro Gly Pro
 195 200 205
 Asp Gly Phe Thr Ala Glu Phe Tyr Gln Ser Trp Ala Glu Thr Gln Pro
 210 215 220
 Lys Lys Glu Asn Phe Arg Pro Ile Ser Leu Met Asn Ile Asp Ala Lys
 225 230 235 240
 Ile Leu Asn Lys Ile Leu Ala Lys Arg Ile Gln Gln His Ile Lys Lys
 245 250 255
 Leu Ile His His Asp Gln Val Gly Phe Ile Pro Gly Met Gln Gly Trp
 260 265 270
 Phe Asn Ile Arg Lys Ser Ile Asn Val Thr Gln His Ile Asn Arg Ala
 275 280 285

Ala Ile Ile Lys Lys Ser Gly Asn Asn Arg Cys Trp Arg Gly Cys Gly
805 810 815

Glu Thr Gly Thr Leu Leu His Cys Trp Trp Asp Cys Lys Leu Ala Gln
820 825 830

Pro Leu Trp Lys Ser Val Trp Arg Phe Leu Arg Asp Leu Glu Leu Glu
835 840 845

Ile Pro Phe Asp Pro Ala Ile Pro Leu Leu Gly Ile Tyr Pro Lys Asp
850 855 860

Tyr Lys Ser Cys Cys Tyr Lys Asp Thr Cys Thr Arg Met Phe Ile Ala
865 870 875 880

Ala Leu Phe Thr Ile Ala Lys Thr Trp Asn Gln Pro Lys Cys Pro Thr
885 890 895

Ile Ile Asp Trp Ile Lys Lys Met Trp His Ile Tyr Thr Met Glu Tyr
900 905 910

Tyr Ala Ala Ile Lys Asn Asp Glu Phe Val Ser Phe Val Gly Thr Trp
915 920 925

Met Lys Leu Glu Ile Ile Ile Leu Ser Lys Leu Ser Gln Glu Gln Lys
930 935 940

Thr Thr His Arg Ile Phe Ser Leu Ile Gly Gly Asn
945 950 955

<210> 154

<211> 39

<212> PRT

<213> Homo sapiens

<400> 154

Met Ile Ile Thr Ser Gln Gly Asn Phe Leu Phe Pro Leu Phe Ile Ser
1 5 10 15

Leu Leu His His Tyr Ser Gln Ser Leu Ser Leu Phe Pro Lys Glu Val
20 25 30

Phe His Gly Phe Leu Thr Asp
35

<400> 157

Met Gly Ser His Phe Pro Gln Ser Arg Trp His Lys Leu His Glu Val
1 5 10 15

Ala Ala Val Pro Leu His Pro Asp Gln Ser Leu Ala Pro Gln Trp Asn
20 25 30

His Thr Pro Pro Leu Pro Glu Ala Glu Ser Leu Phe Tyr Gly Arg Ala
35 40 45

Ala Ala Leu Gly Thr Phe Leu Asn Ser Pro Val Phe His Leu
50 55 60

<210> 158

<211> 241

<212> PRT

<213> Homo sapiens

<400> 158

Glu Gly Cys Leu Trp Pro Ser Glu Ser Thr Val Ser Gly Asn Gly Ile
1 5 10 15

Pro Glu Cys Pro Cys Cys Trp Asp Pro Pro Cys Arg Arg Ser Ser Ala
20 25 30

Pro Cys Pro Ala Gly Ser Ser Pro Ala Leu Cys Ser Leu His Thr Gly
35 40 45

Ala Arg Thr Leu Pro Leu Phe Gly Gly Gly Arg Pro Gln Val Tyr Ala
50 55 60

Pro Pro Arg Pro Thr Asp Arg Leu Ala Val Pro Pro Phe Ala Gln Arg
65 70 75 80

Glu Arg Phe His Arg Phe Gln Pro Thr Tyr Pro Tyr Leu Gln His Glu
85 90 95

Ile Asp Leu Pro Pro Thr Ile Ser Leu Ser Asp Gly Glu Glu Pro Pro
100 105 110

Pro Tyr Gln Gly Pro Cys Thr Leu Gln Leu Arg Asp Pro Glu Gln Gln
115 120 125

Leu Glu Leu Asn Arg Glu Ser Val Arg Ala Pro Pro Asn Arg Thr Ile
130 135 140

Phe Asp Ser Asp Leu Met Asp Ser Ala Arg Leu Gly Gly Pro Cys Pro
 145 150 155 160

Pro Ser Ser Asn Ser Gly Ile Ser Ala Thr Cys Tyr Gly Ser Gly Gly
 165 170 175

Arg Met Glu Gly Pro Pro Pro Thr Tyr Ser Glu Val Ile Gly His Tyr
 180 185 190

Pro Gly Ser Ser Phe Gln His Gln Gln Ser Ser Gly Pro Pro Ser Leu
 195 200 205

Leu Glu Gly Thr Arg Leu His His Thr His Ile Ala Pro Leu Glu Ser
 210 215 220

Ala Ala Ile Trp Ser Lys Glu Lys Asp Lys Gln Lys Gly His Pro Leu
 225 230 235 240

Leu

<210> 159
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 159
 Met Ile His Phe Leu Ser Phe Ser Thr Asn Asn Ala Tyr Ala Leu Asp
 1 5 10 15

Leu Pro Glu Tyr Ser Trp Thr Thr Asp Leu Cys Lys Lys Leu Phe Phe
 20 25 30

Leu Lys Ile Ala Ser Lys Gln Asn Gly Phe Asn Lys Leu Gln Asn Arg
 35 40 45

Gln Pro
 50

<210> 160
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 160
 Met Ile Cys Pro Phe Phe Leu His Ser Phe Thr Ser Ser Ser Phe Tyr

Ser Pro Val Ser Phe Arg Val Ser Val Leu Ser Lys Pro Pro Cys Glu
20 25 30

Val Asn Gln Met Leu Asp Phe Phe Pro Gln Ser His Gln Leu Pro Arg
35 40 45

Glu Arg Asp Thr Tyr Arg Thr Leu Pro Ser Ala Tyr Ser Ser Ser Ala
50 55 60

Pro Ser Thr
65

<210> 166
<211> 42
<212> PRT
<213> Homo sapiens

<400> 166
Met Leu Glu Met Ser Phe Ala Leu Pro Glu Phe Ala Lys Gly Ala His
1 5 10 15

Arg Lys Gln Ile Glu Lys His Pro Leu Gly Thr Ser Leu Gln Cys Leu
20 25 30

Leu Leu Thr Lys Phe Asn Ile Ile Asn Thr
35 40

<210> 167
<211> 47
<212> PRT
<213> Homo sapiens

<400> 167
Met Ala Ser Val Ala Arg Lys Tyr Ala Lys Glu Glu Val Asn Pro Ile
1 5 10 15

Ala Gly Leu Glu Asp Ser Asp Gln Thr Thr Arg Gly Leu Leu Asn Lys
20 25 30

Gly Arg Arg Cys Pro Cys Leu Met Gly Leu Ala Trp Gly Gly Gly
35 40 45

<210> 168
<211> 74

Ala Ser Ser Ser Ile Glu
50

<210> 171
<211> 14
<212> PRT
<213> Homo sapiens

<400> 171
Met Pro Thr Gln Arg Gln Pro Leu Ser Ser Gln Ala Val Lys
1 5 10

<210> 172
<211> 42
<212> PRT
<213> Homo sapiens

<400> 172
Met Ala Ala Ser Val Leu Gln Ser Arg Trp Leu Ile Val Ile Leu Val
1 5 10 15

Gln Lys Arg Ile His Thr His Thr Tyr Lys Tyr Val Ser Cys Leu Asp
20 25 30

Pro Gln Glu Phe His Val Ser Leu Tyr Leu
35 40

<210> 173
<211> 121
<212> PRT
<213> Homo sapiens

<400> 173
Met Arg Thr Ser Lys Trp Ile Pro Pro Cys Lys Cys Gly Ala Gly Ala
1 5 10 15

Thr Arg His Cys Ser Gly His Ala Ser Lys Thr Gln Ala Glu Gly Ala
20 25 30

Ala His His Ala Gly Asp Gly Leu Lys Ala Pro Val His Ala Trp Asp
35 40 45

Ser Ala Gln Gly Pro Cys Ser Cys Leu Gly Gln Ala Pro Gly Pro Pro
50 55 60

Leu Ala Ala Val Ser Ser Gly Gln Gly Gly Gly Gly Arg Tyr Gly His
65 70 75 80

Ser Val Gly Arg Ser Trp Glu Asn Lys Ala Tyr Tyr Trp Thr Pro Gly
85 90 95

Gly His Gly Asn His Thr Arg Met Pro Glu Thr Glu Asn Leu Trp Ala
100 105 110

Ser Arg Ser Ser Ser Ser Cys Thr Gly
115 120

<210> 174

<211> 25

<212> PRT

<213> Homo sapiens

<400> 174

Met Gly Asn Tyr Ala Asn Asn Lys Lys Arg Thr Leu Arg Ser Ile Asn
1 5 10 15

Thr Val His Lys Tyr Gly Gly Leu Phe
20 25

<210> 175

<211> 33

<212> PRT

<213> Homo sapiens

<400> 175

Met Pro Ser Phe Arg Ile Leu Asp Thr Cys Cys Phe Ser Pro Ser His
1 5 10 15

Glu Thr Phe Cys Lys Asn Lys Glu Arg Gly Ile Thr Val Cys His His
20 25 30

Ser

<210> 176

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (7)

<220>

<221> UNSURE

<222> (11)

<400> 176

Met Ile Phe Pro Val Lys Xaa Leu Ile Arg Xaa Ile Pro Arg Asn Leu
1 5 10 15

Leu Tyr Ile Met Asp Phe Asp Ile Tyr Leu Val Lys Val Lys
20 25 30

<210> 177

<211> 42

<212> PRT

<213> Homo sapiens

<400> 177

Met Val Ala Ser Val Met Glu Ser Ala Asp Leu Glu Glu Gln Thr Gln
1 5 10 15

Leu Val Thr Glu Leu Pro Gly Gly Arg Leu Ser Leu Gly Met Glu Gly
20 25 30

Tyr Arg Asn Phe Arg Val Leu Gln Asn Phe
35 40

<210> 178

<211> 80

<212> PRT

<213> Homo sapiens

<400> 178

Met Tyr Phe Pro Pro Ala Phe Phe Phe Pro Phe Glu Tyr Val Ser Leu
1 5 10 15

Asn Leu Phe Ser Lys Ser Ala Arg Leu Ala Leu Ser Ser His Phe Leu
20 25 30

Ser Leu Ser Ser Ser Tyr Leu Ser Val Phe Phe Leu Leu Val Leu Leu
35 40 45

Phe Leu Tyr Phe Ser Pro Ser Leu His Ile His His His Lys Gln Thr
50 55 60

Tyr Thr Phe Gln Lys Leu Val Pro Phe Trp Pro Pro Phe Asn Asn Arg
65 70 75 80

<210> 179
<211> 40
<212> PRT
<213> Homo sapiens

<400> 179
Met Arg Val Trp Asp Pro Phe Leu Thr Leu Ile Leu Ile Lys Gln Gln
1 5 10 15
Ile Phe Ile Ile Asn Glu Ile Tyr Asn Tyr Val Asn Leu Ile Asp Ile
20 25 30
Gly Ile Val Ser Arg Ile Phe Ile
35 40

<210> 180
<211> 82
<212> PRT
<213> Homo sapiens

<400> 180
Met Arg Tyr Thr Arg Gly Arg Arg Pro Lys Arg Arg Tyr Ile Gly His
1 5 10 15
Leu Pro Val Phe Phe Gln Val His Phe Leu Pro Phe Ser Ala Leu Cys
20 25 30
Tyr Asn Ser Glu Thr Asn Ile Phe Gln Leu Ser Cys Phe Leu Asp Phe
35 40 45
Lys Lys Ala Ser Glu Arg His Cys Gly Lys Pro Lys Gly Pro Met Trp
50 55 60
Lys Gln Ala Thr Phe His Leu Leu Arg Leu Ser Ala Ser Ser Ser Ile
65 70 75 80
Cys Ser

Ser Leu Met
50

<210> 187
<211> 14
<212> PRT
<213> Homo sapiens

<400> 187
Met Lys Gly Ser Tyr Leu Ile Pro Asn Phe Leu Leu Glu Pro
1 5 10

<210> 188
<211> 56
<212> PRT
<213> Homo sapiens

<400> 188
Met Asp Val Ser Ala Cys Gly Arg Leu Tyr Phe Ser Lys Met Thr Thr
1 5 10 15

Lys Ile Ser Pro Ile Ser Cys Val Ile Leu Gln Trp Gly Leu Cys Pro
20 25 30

Leu Phe Leu Asn Val Cys Ala Leu Val Thr Ala Leu Thr Asn Arg Val
35 40 45

Trp Gly Arg Met Pro Cys Asp Phe
50 55

<210> 189
<211> 29
<212> PRT
<213> Homo sapiens

<400> 189
Met Ala Leu Lys Arg Ile Val Ser His Ser Thr Arg Glu Gly Gly Thr
1 5 10 15

His Leu Glu Arg Cys His Arg Thr Pro Ile Pro Ser Gly
20 25

<210> 190
<211> 34

<212> PRT
<213> Homo sapiens

<400> 190

Met Thr Lys Pro Pro Ile Leu Thr Pro Trp Ser Leu Leu Ser Arg Ser
1 5 10 15

Pro Leu Cys Ser Phe Gln Ser His Glu Glu Gly Glu Gly Arg Pro Arg
20 25 30

Gln Gly

<210> 191
<211> 42
<212> PRT
<213> Homo sapiens

<400> 191

Met Pro Glu Ala Leu Pro Gly Pro Gly Arg Ile Lys Ser Leu Thr Val
1 5 10 15

Trp Gly Leu Val Trp Pro Phe Thr His Ile Thr Leu Gln Asn Thr Phe
20 25 30

Gln Gly Asp Ile Ser Val Ser Ser Ile Leu
35 40

<210> 192
<211> 59
<212> PRT
<213> Homo sapiens

<400> 192

Met Val Gly His Lys Cys Leu Phe Asn Phe Asp Leu Leu Ala Phe Ser
1 5 10 15

Ile Gln Ala Val Thr Leu Pro His Lys Thr Leu Gly Ala Leu Ala Arg
20 25 30

Gly Asp Cys Thr Ser Ser Pro Gln Met Phe Ser Lys Lys Leu Pro Gly
35 40 45

Thr Leu Leu Leu Gly Tyr Thr Lys Ser Arg Gln
50 55

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Arg Gln Cys Leu Ala Leu Ser Pro Arg Leu Glu Cys Ser Gly Thr Ile
1 5 10 15

Ser Ala Ser Arg Ala Ala Gly Ile Thr Asp Ala His Gln Asp Thr Gln
35 40 45

Ala Gly Leu Glu Leu Leu Thr Ser Ser Asp Leu Pro Thr Leu Ala Ser
65 70 75 80

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<210> 194
<211> 117
<212> PRT
<213> Homo sapiens
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<220>
<221> UNSURE
<222> (102)

<400> 194
Met Gly Lys Ala Leu Phe Cys Gly Leu Trp Pro Leu Lys Ser Ile Cys
1 5 10 15

88

10000255 110101

20 25 30

Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Val Lys Cys Thr Glu Ala Cys
65 70 75 80

Ile Phe Glu Thr Ser Lys Gly Arg Arg Leu Arg Arg Ser Pro Leu Gln
85 90 95

Gly His Leu His Leu Xaa Tyr Val Ala Phe Pro Ser Asn Asn Glu Ala
100 105 110

Xaa His Trp Val Leu
115

<210> 195
<211> 47
<212> PRT
<213> Homo sapiens

<400> 195
Met Trp Val Ala Val Pro Asp Phe Pro Leu Leu Pro Ala Val Gly Asp
1 5 10 15

Glu Leu Leu Ala Leu Gly Pro Asp Phe Pro Gly Trp Pro Leu Arg Ser
20 25 30

Arg Gly Phe Lys Phe Ser Trp Ser Cys Ser Val Leu Val Gln His
35 40 45

<210> 196
<211> 34
<212> PRT
<213> Homo sapiens

<400> 196
Met Phe Ser Leu Thr Pro Leu Glu Lys Ser Pro Ser Trp Leu Leu Ser
1 5 10 15

Gln His Cys Pro Leu Val Ala Cys Ser Pro Trp Cys Phe Leu Ala Val
20 25 30

Ala Thr

<210> 197

<211> 51

<212> PRT

<213> Homo sapiens

<400> 197

Met Pro Phe Pro Trp Gly Gly Leu Pro Ser Leu Ser Asn Ser Ser Leu
1 5 10 15

Cys Trp Ser Ser Leu Pro Cys His Ser Thr Leu Ser Phe His Ser Val
20 25 30

Cys Trp Tyr Cys Lys Tyr Leu Ile Leu Cys Ile Cys Ser Leu Ser Ala
35 40 45

Ser Ser Gln
50

<210> 198

<211> 286

<212> PRT

<213> Homo sapiens

<400> 198

Asn Phe Leu Glu Thr Asp Asn Glu Gly Asn Gly Ile Leu Arg Arg Arg
1 5 10 15

Asp Ile Lys Asn Ala Leu Tyr Gly Phe Asp Ile Pro Leu Thr Pro Arg
20 25 30

Glu Phe Glu Lys Leu Trp Ala Arg Tyr Asp Thr Glu Gly Lys Gly His
35 40 45

Ile Thr Tyr Gln Glu Phe Leu Gln Lys Leu Gly Ile Asn Tyr Ser Pro
50 55 60

Ala Val His Arg Pro Cys Ala Glu Asp Tyr Phe Asn Phe Met Gly His
65 70 75 80

Phe Thr Lys Pro Gln Gln Leu Gln Glu Glu Met Lys Glu Leu Gln Gln
85 90 95

Ser Thr Glu Lys Ala Val Ala Ala Arg Asp Lys Leu Met Asp Arg His
100 105 110

Gln Asp Ile Ser Lys Ala Phe Thr Lys Thr Asp Gln Ser Lys Thr Asn
115 120 125

Tyr Ile Ser Ile Cys Lys Met Gln Glu Val Leu Glu Glu Cys Gly Cys
130 135 140

Ser Leu Thr Glu Gly Glu Leu Thr His Leu Leu Asn Ser Trp Gly Val
145 150 155 160

Ser Arg His Asp Asn Ala Ile Asn Tyr Leu Asp Phe Leu Arg Ala Val
165 170 175

Glu Asn Ser Lys Ser Thr Gly Ala Gln Pro Lys Glu Lys Glu Glu Ser
180 185 190

Met Pro Ile Asn Phe Ala Thr Leu Asn Pro Gln Glu Ala Val Arg Lys
195 200 205

Ile Gln Glu Val Val Glu Ser Ser Gln Leu Ala Leu Ser Thr Ala Phe
210 215 220

Ser Ala Leu Asp Lys Glu Asp Thr Gly Phe Val Lys Ala Thr Glu Phe
225 230 235 240

Gly Gln Val Leu Lys Asp Phe Cys Tyr Lys Leu Thr Asp Asn Gln Tyr
245 250 255

His Tyr Phe Leu Arg Lys Leu Arg Ile His Leu Thr Pro Tyr Ile Asn
260 265 270

Trp Lys Tyr Phe Leu Gln Asn Phe Ser Cys Phe Leu Glu Glu
275 280 285

<210> 199

<211> 64

<212> PRT

<213> Homo sapiens

<400> 199

Met Ser Gln Gln Gly Phe Phe Arg Leu Phe Gly Ile Tyr Ser Leu Pro
1 5 10 15

Ala Arg Pro Val Asn Ser Ser Arg Phe Ser Val Ser Phe Gln Ile Gly
20 25 30

Thr Thr Arg Asn His Gln Leu Leu Ser Tyr Thr Leu Asp Met Leu His
 35 40 45

His Phe Asp Val Val Gly Phe Asp Tyr Tyr Lys Ile Asp Pro Asn Tyr
 50 55 60

<210> 200
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 200
 Met Asn Lys Ile Ser Cys Phe Asn Glu Ala Asn Met Thr Ile Gln Gln
 1 5 10 15

Cys Gly Phe Gly Ile Arg Lys Ile Leu Lys Ile Leu Ile Val Ser Phe
 20 25 30

Ser Leu Pro
 35

<210> 201
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 201
 Met Ser Leu Ile Leu Thr Phe His Leu Leu Leu Thr Arg Gln Ala Leu
 1 5 10 15

Ser Pro Leu Thr Trp Ile Thr Glu Leu Thr Ser Glu Leu Gln Val Val
 20 25 30

Ala Ser Ser Gly Pro Val Pro Ser Val Leu Phe Leu Pro Ala Arg Ile
 35 40 45

Thr Cys Arg Ala Asp Arg Leu Phe Ala His Gly Leu His Lys Ala Ser
 50 55 60

Arg Ala
 65

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Met Arg Asn Val Gln Arg Lys Phe Tyr Asn Lys Arg Val Gln Gln Gly
 1 5 10 15

Cys Lys Ile Lys Asp Lys His Ile Asn Ser Ser Cys Ile
 20 25

<210> 209
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 209
 Met Glu Leu Pro Leu Phe Ser Leu Ser Cys Ser Tyr Lys Pro Cys Ala
 1 5 10 15

Phe Phe Asp His Ser Thr Ala Thr Ala Ala Leu Val Met Pro Phe Leu
 20 25 30

Ile Ile Pro Gly Ser His Thr Thr Arg Pro
 35 40

<210> 210
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 210
 Met Gly Tyr Leu Gly Leu Gly Met Ala Ala Gly Phe Lys Glu Arg Val
 1 5 10 15

Val Glu

<210> 211
 <211> 70
 <212> PRT
 <213> Homo sapiens

<400> 211
 Met Glu Leu Leu Gly Ser Asp Arg Ser Pro Val Ser Phe Leu Ile His
 1 5 10 15

Trp Leu Pro Thr Arg Leu Pro His Gly Val Ser Leu Gly Ser Arg Leu
 20 25 30

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Ser Ile Leu Ser Thr Phe Thr Tyr Val Asp Trp Leu Ala Glu Val Ser
 35 40 45

Thr Leu Gly Leu Asp Trp Lys Ile Leu Gln Thr Lys Lys Ala Arg Asp
 50 55 60

Ser Val Pro Pro Thr Ser
 65 70

<210> 212
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 212
 Met Ala Asp Phe Asn Trp Met Leu Tyr Leu Gly Phe Ser Lys Ala Lys
 1 5 10 15

Lys Val Tyr Thr Leu Leu Gln Leu Gly Val Gly Leu Gln Ala Val Cys
 20 25 30

Tyr Ile His Val Leu Val Pro Val Ile Leu Thr Phe
 35 40

<210> 213
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (3)

<220>
 <221> UNSURE
 <222> (14)

<400> 213
 Met Cys Xaa Leu Gln Thr Val Tyr Ser Trp Thr Leu Leu Xaa Tyr Phe
 1 5 10 15

Asn Pro Ser Asp Asn Leu Cys Ile Leu Ile Arg Phe Leu Asn Pro Phe
 20 25 30

Thr Phe Asn Val Met Phe Asp Ile Ser Trp Ile Tyr Ser Cys His Phe
 35 40 45

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Thr Phe Gly Leu Leu Cys Leu Met Tyr Phe Ser Val Leu Leu Phe Leu
 50 55 60

Pro Tyr Cys Phe Leu Leu His
 65 70

<210> 214
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 214
 Met Thr Arg Ile Cys Cys Lys Ile His Phe Leu Lys Cys Leu Lys Lys
 1 5 10 15

Glu Met Glu Ile Ser Ser
 20

<210> 215
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 215
 Met Phe Ser Met Leu Arg Tyr Cys Tyr Gln Cys Pro Leu Pro Leu Lys
 1 5 10 15

Met Thr Ala Glu Ser Lys His Phe Pro Glu Asn Ser Tyr Thr Gln Ile
 20 25 30

Phe Val Pro Leu Phe Phe Tyr Thr Ala Pro Cys Leu Phe Ile Ser Val
 35 40 45

His Ser Ser Tyr His Met Leu
 50 55

<210> 216
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 216
 Met Pro Ser Ala Phe Glu Asn Asp Cys Arg Ile Gln Thr Phe Ser Arg
 1 5 10 15

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<400> 219

Met Gly Phe Tyr His Lys Gly Met Ser Glu Thr Phe Ile Cys Ala Gly
1 5 10 15

Thr Ser Ala Gln Ser Leu Asn Ala Val Ser Glu Cys
20 25

<210> 220

<211> 56

<212> PRT

<213> Homo sapiens

<400> 220

Met Phe Ala Ser Glu Phe Phe Phe Leu Val Ile Cys Leu Val Trp Asp
1 5 10 15

His Val Ala Phe Phe Ser Leu Thr Arg Val Ile Lys Val His Thr Val
20 25 30

Lys Ser Met Arg Ser Lys Ala Leu Arg Arg Arg Leu Leu Ser Val Asn
35 40 45

Val Met Ala Gly Ala Ile Arg Leu
50 55

<210> 221

<211> 97

<212> PRT

<213> Homo sapiens

<400> 221

Arg Ala Arg Ala Glu Ala Ala Arg Ala Arg Gly Glu Val Cys Phe His
1 5 10 15

Cys Arg Lys Pro Gly His Gly Ile Ala Asp Cys Pro Ala Ala Leu Glu
20 25 30

Asn Gln Asp Met Gly Thr Gly Ile Cys Tyr Arg Cys Gly Ser Thr Glu
35 40 45

His Glu Ile Thr Lys Cys Lys Ala Lys Val Asp Pro Ala Leu Gly Glu
50 55 60

Phe Pro Phe Ala Lys Cys Phe Val Cys Gly Glu Met Gly His Leu Ser
65 70 75 80

His
65

<210> 224
<211> 804
<212> PRT
<213> Homo sapiens

<400> 224
Ala Lys Pro Leu Thr Asp Gln Glu Lys Arg Arg Gln Ile Ser Ile Arg
1 5 10 15
Gly Ile Val Gly Val Glu Asn Val Ala Glu Leu Lys Lys Ser Phe Asn
20 25 30
Arg His Leu His Phe Thr Leu Val Lys Asp Arg Asn Val Ala Thr Thr
35 40 45
Arg Asp Tyr Tyr Phe Ala Leu Ala His Thr Val Arg Asp His Leu Val
50 55 60
Gly Arg Trp Ile Arg Thr Gln Gln His Tyr Tyr Asp Lys Cys Pro Lys
65 70 75 80
Arg Val Tyr Tyr Leu Ser Leu Glu Phe Tyr Met Gly Arg Thr Leu Gln
85 90 95
Asn Thr Met Ile Asn Leu Gly Leu Gln Asn Ala Cys Asp Glu Ala Ile
100 105 110
Tyr Gln Leu Gly Leu Asp Ile Glu Glu Leu Glu Glu Ile Glu Glu Asp
115 120 125
Ala Gly Leu Gly Asn Gly Gly Leu Gly Arg Leu Ala Ala Cys Phe Leu
130 135 140
Asp Ser Met Ala Thr Leu Gly Leu Ala Ala Tyr Gly Tyr Gly Ile Arg
145 150 155 160
Tyr Glu Tyr Gly Ile Phe Asn Gln Lys Ile Arg Asp Gly Trp Gln Val
165 170 175
Glu Glu Ala Asp Asp Trp Leu Arg Tyr Gly Asn Pro Trp Glu Lys Ser
180 185 190
Arg Pro Glu Phe Met Leu Pro Val His Phe Tyr Gly Lys Val Glu His

205

Pro Gly Leu Ala Glu Leu Ile Ala Glu Lys Ile Gly Glu Asp Tyr Val

460

Lys Gln Pro Asp Leu Phe Lys Asp Ile Ile Asn Met Leu Phe Tyr His

705 710 715 720

Asp Arg Phe Lys Val Phe Ala Asp Tyr Glu Ala Tyr Val Lys Cys Gln
 725 730 735

Asp Lys Val Ser Gln Leu Tyr Met Asn Pro Lys Ala Trp Asn Thr Met
 740 745 750

Val Leu Lys Asn Ile Ala Ala Ser Gly Lys Phe Ser Ser Asp Arg Thr
 755 760 765

Ile Lys Glu Tyr Ala Gln Asn Ile Trp Asn Val Glu Pro Ser Asp Leu
 770 775 780

Lys Ile Ser Leu Ser Asn Glu Ser Asn Lys Val Asn Gly Asn Asn Lys
 785 790 795 800

Val Asn Gly Asn

<210> 225
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 225
 Met Gly Asp Leu Tyr Lys Lys Glu Leu Lys Lys Arg Arg Asn Val Ile
 1 5 10 15

Ser Met Leu Leu Gln Val Lys Gly Lys Gln Glu Asp Lys Tyr His Lys
 20 25 30

Lys Thr Lys Met Tyr Leu Thr Phe Trp Asp Lys Ile Val Gly Ser Thr
 35 40 45

Glu Asn Trp Asn Leu Glu Leu Pro Val Pro Gln Arg
 50 55 60

<210> 226
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 226
 Met Phe Tyr Glu Tyr Lys Glu Tyr Asn Glu Cys Tyr Tyr Lys Tyr Ile
 1 5 10 15

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<212> PRT
<213> Homo sapiens

<400> 232
Met Asp Ser Pro Lys Arg Val Ser Ser Asp Leu Ser Leu Leu Arg Asn
1 5 10 15
Lys Ile Leu Asp Ser Gly Cys Val Cys Phe Arg Cys Cys Gly Thr Gly
20 25 30
Trp Phe

<210> 233
<211> 34
<212> PRT
<213> Homo sapiens
<400> 233
Met Leu Ser Ala Phe Phe Thr Leu Ile Leu Ser Pro Val Tyr Arg Arg
1 5 10 15
Val Phe Gln Arg Leu His Met Arg Tyr Leu Asn Lys Leu Lys Ala Glu
20 25 30
Glu Ile

<210> 234
<211> 35
<212> PRT
<213> Homo sapiens
<400> 234
Met Cys Phe Glu Thr Gly Glu Tyr Ser Trp Ser Gly Ala Gly Ala Gln
1 5 10 15
Asn Thr Arg Phe Leu Cys Ser Asp Asn Leu Cys Ser Leu Ala Leu Leu
20 25 30
Leu Ile Tyr
35

<210> 235
<211> 40

<212> PRT
<213> Homo sapiens

<400> 235
Met Ile Asn Glu Gln Met Asn Ile Ser Glu Lys Leu Val Tyr Ile Ile
1 5 10 15
Met Asn Arg Leu Val Leu His Phe Tyr Lys Asn Arg Lys Leu Lys Ile
20 25 30
Lys Lys Lys Ile Leu Pro Lys Lys
35 40

<210> 236
<211> 60
<212> PRT
<213> Homo sapiens
<400> 236
Met Tyr Lys Cys Leu Leu Glu Ala His Glu Val Tyr Arg Trp Phe Leu
1 5 10 15
Pro Gln Tyr Leu Thr Ile Val Lys Phe Gln Ala Met Pro Leu Leu Ser
20 25 30
Thr Thr Phe Ser Leu Arg Ser Thr Gly Ile Trp Leu Arg Phe His Ser
35 40 45
Asp Asp Leu Leu Ser Glu Thr Leu Arg Leu Glu Lys
50 55 60

<210> 237
<211> 36
<212> PRT
<213> Homo sapiens
<400> 237
Met Ser Leu Tyr Leu Phe Ser Pro Phe His Cys Pro Phe Phe Phe Pro
1 5 10 15
His Leu Pro Leu Cys Ser Val Leu Ser Leu Ala Ser Ser Cys Gln Tyr
20 25 30
Val Asp Phe Cys
35

Redwood Inn

Redwood City

Redwood City

Redwood City

Redwood Inn

Redwood Inn

Ile Lys Ser Phe Ser Pro Arg Asp Pro Thr Phe Arg
35 40

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